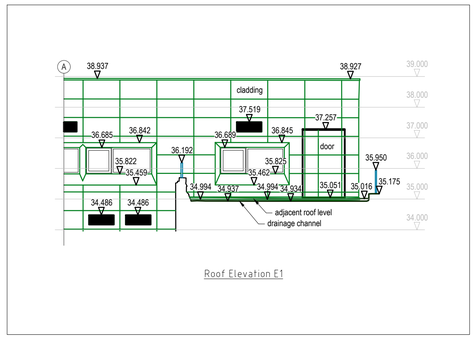


Roof Elevation E1

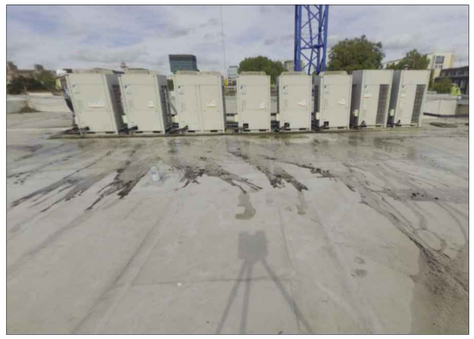
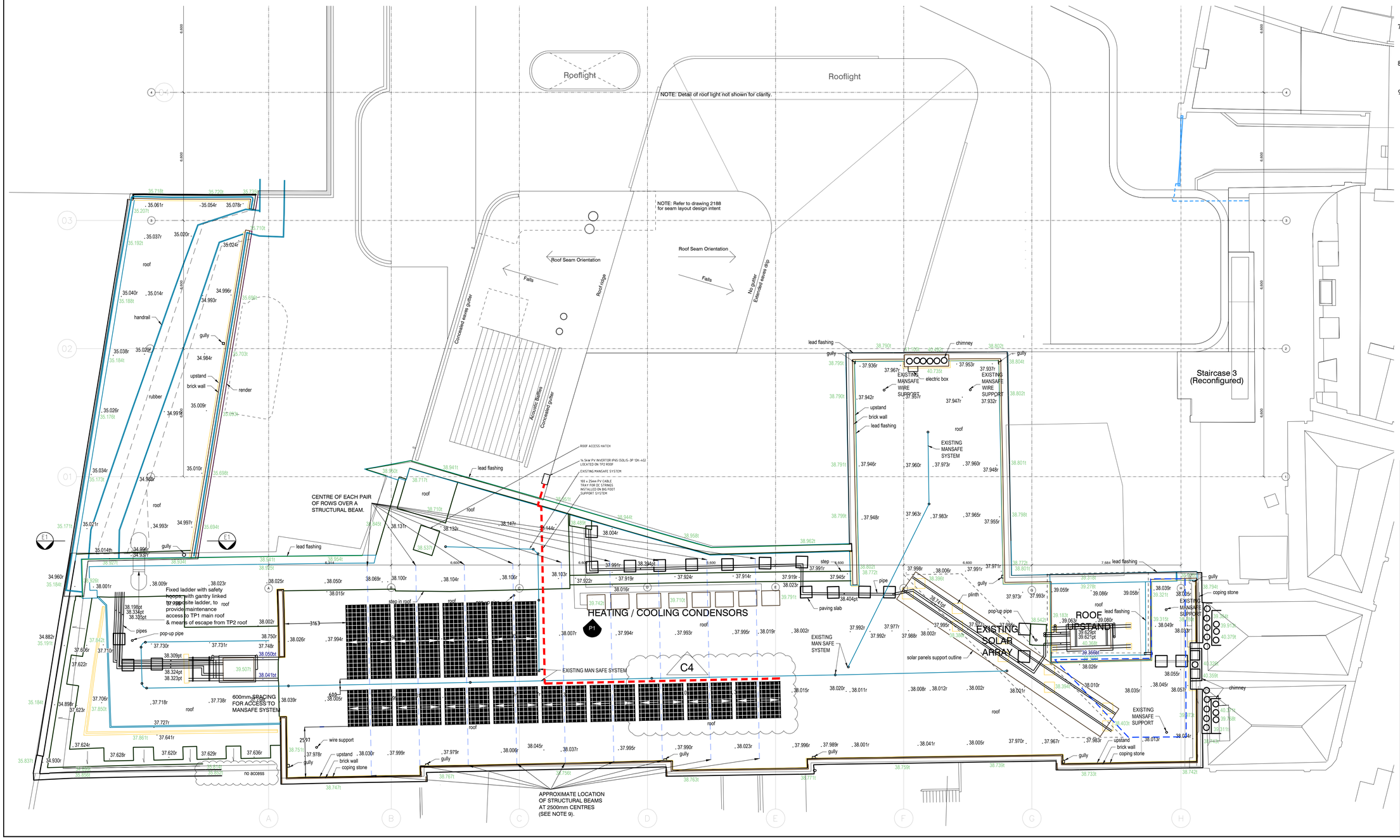


PHOTO 1

NOTES:

1. THE PROJECT PHOTOVOLTAIC ARRAY IS TO BE DESIGNED TO GENERATE A TOTAL OUTPUT OF 10,738 kWh/ANNUM IN COMPLIANCE WITH BUILDING REGULATIONS PART L2A & REQUIREMENTS SET OUT BY THE LONDON PLAN.
2. THE PV MODULES ARE TL3448 34 x 375W PANELS 12kWp (1844mm x 1030mm x 35mm) ALIGNED AT AN INCLINE OF 10 DEGREES BACK TO BACK EAST/WEST FACING MOUNTED ON THE ROOF USING A K2 D DOME SYSTEM.
3. THE TOTAL ADDED WEIGHT TO THE ROOF IS 1755 KG.
4. ASSOCIATED ELECTRICAL EQUIPMENT INVERTORS & LIKE SHALL BE LOCATED ON THE ROOF, FINAL LOCATION TO BE CONFIRMED. FOR FURTHER INFORMATION REGARDING ELECTRICAL EQUIPMENT & WIRING DETAILS PLEASE REFER TO PHOTOVOLTAIC ELECTRICAL SCHEMATIC.
5. THE PHOTOVOLTAIC MOUNTING SYSTEM SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM IN COMPLIANCE WITH BS 7671.
6. THE CLIENT IS OBLIGATED TO PROVIDE A LETTER OF AUTHORITY TO THE PHOTOVOLTAIC PROVIDER ALLOWING COMPLETION OF THE REQUIRED APPLICATION TO THE DISTRIBUTION NETWORK OPERATOR (UK POWER NETWORKS) FOR PERMISSION TO CONNECT THE PV SYSTEM TO THE G99 NATIONAL GRID UNDER ENGINEERING RECOMMENDATION.
7. ANY REQUIREMENTS FOR MODIFICATIONS OR REMEDIAL WORKS TO THE EXISTING MAN SAFE SYSTEM SHALL BE THE RESPONSIBILITY OF OTHERS.
8. REFER TO THE ARCHITECTURAL DETAILS FOR THE ACCESS & MAINTENANCE STRATEGY.
9. CENTRE OF EACH ROW OF BACK TO BACK PANELS TO BE LOCATED OVER THE STRUCTURAL BEAMS AS INDICATED.



LEGEND:

PHOTOVOLTAIC PANEL (1844x1030mm)

- .... plinth/upstand
- .... chimney
- .... coping stone
- .... coping (lead)
- .... roof
- .... handrail
- .... pipe
- .... plant
- .... wall
- .... wall brick
- .... wall plaster
- .... wall cladding
- 100mm x 25mm PV CABLE TRAY
- CENTRE-LINE OF STRUCTURAL BEAM

LEVEL

- r .... roof
- t .... top
- pt .... top of pipe
- bt .... top of beam

C4	14/01/22	RE-ISSUED FOR CONSTRUCTION PANELS RELOCATED TO ALLOW ACCESS TO WEST ROOF AREA.
C3	27/10/21	RE-ISSUED FOR CONSTRUCTION INCORPORATING REVISED LAYOUT & SUPPORT SYSTEM.
C2	06/10/21	RE-ISSUED FOR CONSTRUCTION
C1	01/10/21	CONSTRUCTION ISSUE

CONSTRUCTION ISSUE 01/10/21

MSL MECHANICAL SERVICES LTD
HEATING AIR CONDITIONING AND ELECTRICAL ENGINEERS
Merlin House, 606 Purley Way, Croydon, Surrey CR0 4RF
Tel: 020 8681 8782 Fax: 020 8686 1030

DRAWN BY:- AK	CHECKED BY:- DD
DATE:- JULY '21	SCALE:- 1:100(A1)

STATUS:- TENDER ☐ CONTRACT ■ PRELIMINARY ☐ RECORD ☐

DRAWING No:- MSL-7878-LR-E-3002 REV:- C4

TITLE:-

PHOTOVOLTAIC (PV) LAYOUT

LSHTM TP2
15-17 TAVISTOCK PLACE
LONDON, WC1H 9SH